

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B41C1/00 B41N1/08 B41N3/03

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B41C B41N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X | US 2002/055058 A1 (TAN SHIRO ET AL) 9 May 2002 (2002-05-09) paragraphs '0052!', '0165!', '0181!', '0183!', '0185!', '0190! | 1-30, 38, 39 |
| X | EP 1 057 622 A (FUJI PHOTO FILM CO LTD) 6 December 2000 (2000-12-06) paragraphs '0165!', '0246!', '0247!', '0266!' - '0268!', '0314!', '0317!', '0318! | 1-30, 38, 39 |
| A | EP 1 116 580 A (FUJI PHOTO FILM CO LTD) 18 July 2001 (2001-07-18) paragraphs '0045!', '0046!', '0080!', '0221!', '0359!; claim 1 | 1-30, 38, 39 |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

6 October 2004

Date of mailing of the international search report

22.11.2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Spyropoulou, E

| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Category * | Citation of document, with location, where appropriate, of the relevant passages | Relevant to claim No. |
| A | US 2002/051929 A1 (FUJITA KAZUO ET AL) 2 May 2002 (2002-05-02) paragraphs '0207!, '0214!, '0226!, '0573! ----- | 1-30, 38, 39 |
| A | US 5 677 110 A (LANGLAIS EUGENE L ET AL) 14 October 1997 (1997-10-14) claims 19, 20 ----- | 1-30, 38, 39 |
| X | EP 1 144 199 A (EASTMAN KODAK CO) 17 October 2001 (2001-10-17) claims 1, 5 ----- | 31-33, 35-37 |
| X | US 6 113 772 A (ROMPUY LUDO VAN) 5 September 2000 (2000-09-05) column 4, line 29 - column 5, line 5 ----- | 34 |
| A | US 6 261 353 B1 (YAMASHITA KUNICHI ET AL) 17 July 2001 (2001-07-17) column 10, line 56 ----- | 31-33, 36, 37 |
| A | CN 1 310 215 A (SOUTH CHINA SCIENCE & ENGINEER) 29 August 2001 (2001-08-29) abstract ----- | 31-33, 36, 37 |
| A | DATABASE WPI Section Ch, Week 199837 Derwent Publications Ltd., London, GB; Class A97, AN 1998-434155 XP002299527 & JP 10 183038 A (KONICA CORP) 7 July 1998 (1998-07-07) abstract ----- | 31-33, 35, 36 |
| A | DATABASE WPI Section Ch, Week 198734 Derwent Publications Ltd., London, GB; Class A97, AN 1987-240161 XP002299528 & JP 62 164773 A (TORAY IND INC) 21 July 1987 (1987-07-21) abstract ----- | 31-33, 35, 36 |

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/SA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-30,38,39

Claims 1-20 refer to a lithographic printing blank comprising a coating deposited from aqueous fluid onto a substrate, the coating comprising polyvinyl alcohol, polyacrylic acid, hydrophobic water-based emulsion with pH of 7 or below, aminoplast and at least a wetting agent. Claims 21-30 refer to the method of preparing a lithographic plate using said blank. Claims 38-39 refer to a wet printing process using said lithographic printing plate in order to produce printed impressions.

2. claims: 31-37

Claims 31-37 refer to an ink-jet ink comprising switchable material.

| Patent document cited in search report | | Publication date | Patent fam member(s) | Publication date |
|-------------------------------------------|----|---------------------|-------------------------|---------------------|
| US 2002055058 | A1 | 09-05-2002 | JP 2002072474 A | 12-03-2002 |
| EP 1057622 | A | 06-12-2000 | JP 2001054986 A | 27-02-2001 |
| | | | EP 1057622 A2 | 06-12-2000 |
| | | | JP 2001047755 A | 20-02-2001 |
| | | | US 6653042 B1 | 25-11-2003 |
| EP 1116580 | A | 18-07-2001 | JP 2001191656 A | 17-07-2001 |
| | | | JP 2001281852 A | 10-10-2001 |
| | | | AT 268691 T | 15-06-2004 |
| | | | DE 60103670 D1 | 15-07-2004 |
| | | | EP 1116580 A2 | 18-07-2001 |
| | | | US 2001036592 A1 | 01-11-2001 |
| US 2002051929 | A1 | 02-05-2002 | JP 11288093 A | 19-10-1999 |
| | | | JP 11352681 A | 24-12-1999 |
| | | | JP 11327134 A | 26-11-1999 |
| | | | JP 2000010281 A | 14-01-2000 |
| | | | DE 69905959 D1 | 24-04-2003 |
| | | | DE 69905959 T2 | 04-12-2003 |
| | | | EP 1225478 A2 | 24-07-2002 |
| | | | EP 1314552 A2 | 28-05-2003 |
| | | | EP 0949539 A2 | 13-10-1999 |
| | | | US 2002086233 A1 | 04-07-2002 |
| US 5677110 | A | 14-10-1997 | US 5677108 A | 14-10-1997 |
| | | | CA 2207434 A1 | 31-10-1996 |
| | | | EP 0823071 A1 | 11-02-1998 |
| | | | JP 11504436 T | 20-04-1999 |
| | | | WO 9634317 A1 | 31-10-1996 |
| EP 1144199 | A | 17-10-2001 | DE 69906380 D1 | 30-04-2003 |
| | | | DE 69906380 T2 | 05-02-2004 |
| | | | EP 1144199 A2 | 17-10-2001 |
| | | | JP 2002532311 T | 02-10-2002 |
| | | | US 6520086 B1 | 18-02-2003 |
| | | | WO 0037261 A2 | 29-06-2000 |
| US 6113772 | A | 05-09-2000 | EP 0941838 A1 | 15-09-1999 |
| | | | DE 69811470 D1 | 27-03-2003 |
| | | | DE 69811470 T2 | 06-11-2003 |
| | | | JP 2000025194 A | 25-01-2000 |
| US 6261353 | B1 | 17-07-2001 | JP 11343435 A | 14-12-1999 |
| | | | JP 11349873 A | 21-12-1999 |
| CN 1310215 | A | 29-08-2001 | NONE | |
| JP 10183038 | A | 07-07-1998 | NONE | |
| JP 62164773 | A | 21-07-1987 | NONE | |